

WFO Wichita Public Forecast (SOOVER) Statistics for 2003

TEMPERATURES

The following chart compares CCF, FWC, MAV and MET average absolute error for the 1st 4 periods of the public forecast. It shows CCF improvement over the FWC, MAV and MET guidance. The lower the error, the better.

Station	Average Absolute Error				CCF % Improvement over		
	CCF	FWC	MAV	MET	FWC	MAV	MET
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WICHITA	3.09	4.00	3.49	4.04	22.6	11.2	23.3
CHANUTE	3.23	3.94	3.32	4.19	18.0	2.8	22.9
RUSSELL	3.56	4.38	3.92	4.15	18.7	9.1	14.2
SALINA	3.58	4.23	4.17	4.05	15.4	14.2	11.5
ALL	3.37	4.14	3.72	4.11	18.6	9.6	18.0

The following chart shows the percentage of the time in each period that temperature forecasts missed by (+/-) 3 degrees or less. The higher the percentage, the better.

Station		CCF	FWC	MAV	MET
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WICHITA	1 st Pd	73%	66%	64%	60%
	2 nd Pd	69	57	62	55
	3 rd Pd	64	55	58	54
	4 th Pd	56	43	52	46
CHANUTE	1 st Pd	72	64	67	62
	2 nd Pd	67	57	63	53
	3 rd Pd	62	54	63	50
	4 th Pd	59	48	59	45
RUSSELL	1 st Pd	71	59	61	61
	2 nd Pd	60	53	55	55
	3 rd Pd	55	52	50	50
	4 th Pd	51	39	48	44
SALINA	1 st Pd	65	61	56	64
	2 nd Pd	58	53	51	53
	3 rd Pd	54	49	48	53
	4 th Pd	50	43	47	44
ALL	1st Pd	70%	63%	62%	62%
	2nd Pd	64	55	58	54
	3rd Pd	59	53	55	52
	4th Pd	54	43	52	45

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PRECIPITATION

The following chart shows average brier scores, average WET PoPs (PoPs on days when we had measurable precipitation), and average DRY PoPs (PoPs on days when we did not have measurable precipitation). The lower the brier score, the higher the WET PoP, and the lower the DRY PoP, the better.

Station -----	CCF -----	FWC -----	MAV -----	MET -----	CCF % Improvement over FWC	MAV	MET
WICHITA							
Average Brier Score	.073	.075	.071	.072	2.7	-2.7	-1.4
Average WET PoP	43%	41%	46%	42%			
Average DRY PoP	10%	10%	11%	10%			
CHANUTE							
Average Brier Score	.071	.079	.075	.075	10.1	5.3	5.3
Average WET PoP	49%	43%	54%	49%			
Average DRY PoP	11%	11%	14%	12%			
RUSSELL							
Average Brier Score	.075	.075	.074	.073	0.0	-1.3	-2.7
Average WET PoP	39%	40%	43%	42%			
Average DRY PoP	10%	10%	11%	10%			
SALINA							
Average Brier Score	.079	.079	.077	.077	0.0	-2.5	-2.5
Average WET PoP	40%	41%	44%	42%			
Average DRY PoP	10%	10%	11%	10%			
ALL							
Average Brier Score	.0745	.0770	.0743	.0743	3.2%	-0.3%	-0.3%
Average WET PoP	43%	41%	47%	44%			
Average DRY PoP	10%	10%	12%	11%			